

CLAIMS

1. A body fluid sampling implement used by installing a piercing needle therein and allowing a body fluid to be discharged by piercing a body fluid sampled portion with said piercing needle, comprising:

a body storing said piercing needle and having an opening allowing said piercing needle to pass therethrough; and

a contact part fixedly installed on said body so as to surround the outer periphery of said opening and pressed by said body fluid sampled portion when said body fluid sampled portion is pierced by said piercing needle,

wherein the inner surface of said contact part has a portion tilted so as to near the center axis of said opening as said opening is approached.

2. The body fluid sampling implement as set forth in claim 1, wherein said inner surface of said contact part is in the shape of a truncated cone in side view.

3. The body fluid sampling implement as set forth in claim 1 or 2, wherein:

said piercing needle is mounted to said body fluid sampling implement as a chip stored in a chip body having an opening allowing said piercing needle to pass therethrough; and

said body fluid sampled portion abuts on an edge portion of said opening of said chip body when said body fluid sampled portion is pressed against said contact part in the condition where said chip is mounted to said body fluid sampling implement.

4. The body fluid sampling means as set forth in claim 3, wherein an opening area of said opening of said chip body is smaller than an opening area of said opening body said body.

5. The body fluid sampling implement as set forth in claim 3, wherein said edge portion of said opening of said chip body is located substantially on an extension plane of said tilted portion of said inner surface of said contact part, in the condition before said body fluid sampled portion is pierced with said piercing needle.

6. The body fluid sampling implement as set forth in claim 1, used in the condition where said opening of said body is directed vertically upward.

7. A body fluid sampling method for sampling a body fluid by piercing a body fluid sampled portion with a piercing needle by use of a body fluid sampling implement comprising:

    a body storing said piercing needle and having an

opening allowing said piercing needle to pass therethrough; and

a contact part fixedly installed on said body so as to surround the outer periphery of said opening and pressed by said body fluid sampled portion when said body fluid sampled portion is pierced by said piercing needle,

the inner surface of said contact part having a portion tilted so as to near the center axis of said opening as said opening is approached,

wherein said body fluid is discharged by piercing said body fluid sampled portion with said piercing needle in the condition where said body fluid sampled portion is pressed against said contact part.

8. A body fluid sampling method carried out by use of a body fluid sampling implement including:

a body storing said piercing needle and having an opening allowing said piercing needle to pass therethrough; and

a contact part fixedly installed on said body so as to surround the outer periphery of said opening and pressed by said body fluid sampled portion when said body fluid sampled portion is pierced by said piercing needle,

the inner surface of said contact part having a portion tilted so as to near the center axis of said

opening as said opening is approached,

    said method comprising the steps of:

        pressing said body fluid sampled portion into close contact with said inner surface of said contact part,

        operating said piercing needle so as to pierce with said piercing needle the portion of said body fluid sampled portion which is projected into said body through said opening; and

        sampling the body fluid discharged from the pierced portion of said body fluid sampled portion.

9. The body fluid sampling method as set forth in claim 8, wherein said inner surface of said contact part is in the shape of a truncated cone in side view.

10. The body fluid sampling method as set forth in claim 7 or 8, wherein:

    said piercing needle is mounted to said body fluid sampling implement as a chip stored in a chip body having an opening allowing said piercing needle to pass therethrough; and

    said body fluid sampled portion abuts on an edge portion of said opening of said chip body when said body fluid sampled portion is pressed against said contact part in the condition where said chip is mounted to said body fluid sampling implement.

11. The body fluid sampling method as set forth in claim 10, wherein the opening area of said opening of said chip body is smaller than the opening area of said opening of said body.

12. The body fluid sampling method as set forth in claim 10, wherein said edge portion of said opening of said chip body is located substantially on an extension plane of said tilted portion of said inner surface of said contact part, in the condition before said body fluid sampled portion is pierced with said piercing needle.

13. The body fluid sampling method as set forth in claim 7 or 8, wherein said body fluid sampling implement is used in the condition where said opening of said body is directed vertically upward.